

Section J

National Programs

SUMMARY

DOE EM is responsible for a variety of National Programs. DOE-HQ typically provides operations policy and programmatic guidance to one or more field office that serve as lead for individual programs. FH currently supports the following National Programs: Transportation and Packaging (PBS OT02) and Pollution Prevention and Waste Minimization (PBS WM07).

Transportation and Packaging provides full-service transportation and packaging capabilities. Packaging services for radioactive and hazardous cargo is provided, including regulatory safety-basis documentation, certification, and licensing. Packaging plans and logistical studies for major shipping campaigns are also provided, as well as approved training courses in transportation safety and waste management. Transportation and traffic logistics management, engineering and operational support to offsite customers, carrier selection and evaluation, automated transportation management systems used by the U.S. Department of Energy (DOE) complex and commercial vendors, and international transport of hazardous and radioactive packages are other services provided.

Pollution Prevention and Waste Minimization (P2/WMin) coordinates the development and implementation of a Hanford Site P2/WMin Program to comply with Federal, state, and DOE directives. The program's purpose is to achieve Site objectives through effective and efficient methodologies tailored to generator activities and operations.

Top 5 Accomplishments for FY 2000

The Sitewide Cost Savings/Avoidance for the Hanford Site this fiscal year was over forty-seven million dollars (\$47M) (Progress).

The site accomplished a waste avoidance (routine and non-routine) of over 180,000 cubic meters of low level waste/mixed low level waste, over 26,000 metric tons of Hazardous waste, and over 1,500 metric tons of Sanitary waste. The purchase of EPA designated products containing recycled content was 98.3 percent (Progress).

The Hanford Site received three DOE Pollution Prevention Awards: 1) Donna Merry for Model Facility, 2) Public Outreach, and 3) Sowing the Seeds for Change. Hanford Site also won the Washington State Department of Ecology Recycling Award (Progress).

This fiscal year Pollution Prevention/Waste Minimization implemented nine Pollution Prevention high Return on Investment (ROI) projects with a savings/avoidance of \$23M and waste reduction of over 150,000 cubic meters at a cost of \$1,309 million (Progress).

Thirteen projects on the site were implemented with a project cost of \$1.9M and savings/avoidance of \$8.1M, with a potential waste reduction of 11,950 cubic meters (Progress).

Additional FY 2000 Accomplishments

Progress

The Cleanup/Stabilized Waste Avoided goal to reduce all waste by 10 percent (1,920 m³) was exceeded. The documented waste was reported at 7,280 m³ through various processes and uses.

The updated Safety Analysis Report Packaging (SARP) HNF-SD-TP- SARP-017, Rev.2, for (Onsite) Multi-Canister Overpack Cask was completed and issued to RL April 12, 2000.

Six Transportation and Packaging Project Hanford Management System Procedures have been updated and issued.

FH T&P Program Office received a thank you from RL for the excellent work completing the Engineering Change Notice to the Lead Lined Drum Safety Analysis Report for Packaging (SARP) in a timely and efficient manner. The revisions to the safety analysis for the tie-down and Gas Generation sections of the SARP were well done and of high quality. The DOE Authorization Basis Division (ABD) review of the ECN was easier.

Efforts continued in the development of the Hanford Site Minimum Packaging Requirements (MPR) with RL. The intent of the MPR is to establish an equivalent baseline of requirements for on-site shipments (similar to 10 CFR 71) for future development of SARP/SEP's. Once these criteria have been established and approved by RL, the MPR will reduce the review and approval process for SARP/SEP's.

ACCOMPLISHMENTS THIS REPORTING PERIOD

- A preliminary review of the PHMC LLW, MLLW, and hazardous waste generation numbers for September and FY 2000 was completed. The data reviewed to date indicates that the PHMC met the FY 2000 waste reduction goals. PNNL generated approximately 27 MT less of Hazardous Waste (HAZ) than in FY99 as a result of various actions taken in the past few years to minimize HAZ waste generated (i.e., Pollution Prevention Opportunity Assessments, Return on Investment (ROI) implementation, material substitution, and inventory reduction). SAN, LLW and MLLW waste reductions resulted from recycling, ROI implementation, and source reduction.
- The fourth quarter FY 2000 meeting was conducted September 25, 2000. Presentations made included a brief discussion of the technical services and training available: an overview of the PFP Safety and P2/WMin program; a BHI presentation on the procurement and field use of the ROI funded Geo Physical Probe; the FY 2001 site goals; and draft revision #5 to the Hanford Site Waste Minimization and P2 Awareness Program Plan.
- In response to a DOE-HQ request, forecast numbers for shipping containers (i.e., drums, boxes, etc.) required by the site for the next 35 years was given to the DOE-RL P2/WMin Program Manager.

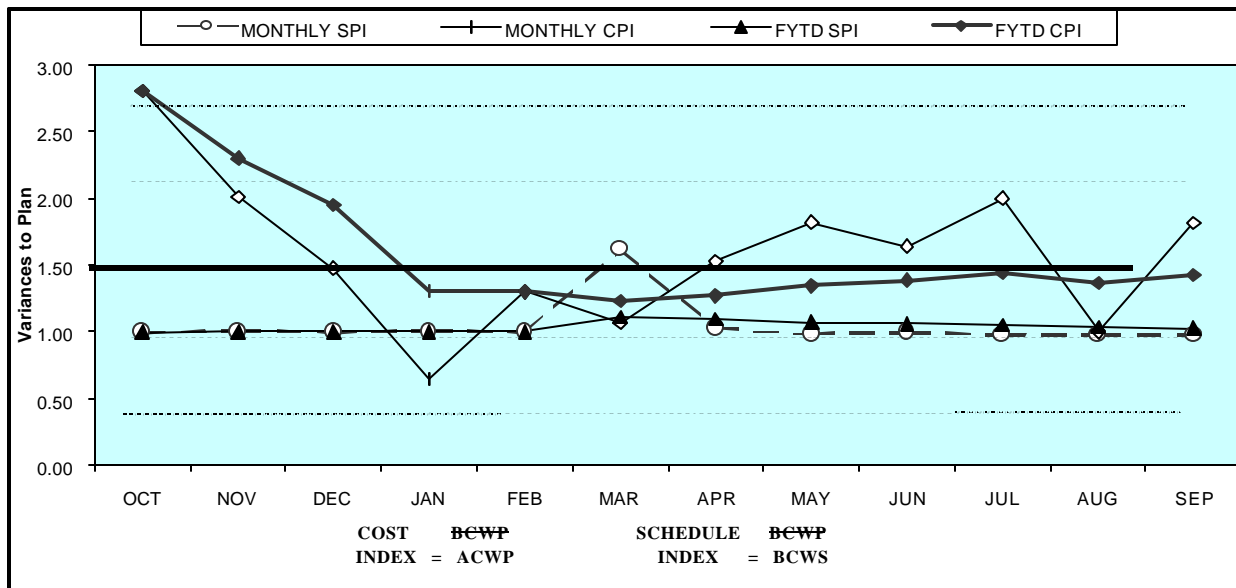
FY 2000 COST/SCHEDULE PERFORMANCE – ALL FUND TYPES

CUMULATIVE TO DATE STATUS – (\$000)

		FYTD						
By PBS		BCWS	BCWP	ACWP	SV	%	CV	%
PBS OT02	Transportation &							
WBS 1.11.1	Packaging (RL 7601)	\$ 2,319	\$ 2,485	\$ 1,930	\$ 166	7%	\$ 555	22%
PBS WM07	Waste Minimization							
WBS 1.11.2	(RLHQ 7770)	\$ 3,681	\$ 3,681	\$ 2,402	\$ (0)	0%	\$ 1,279	35%
Total		\$ 6,000	\$ 6,166	\$ 4,332	\$ 166	3%	\$ 1,833	30%

COST/SCHEDULE PERFORMANCE INDICES

(MONTHLY AND FYTD)



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	1.00	1.00	1.00	1.00	1.00	1.62	1.03	0.98	1.00	0.98	0.97	0.97
MONTHLY CPI	2.81	2.01	1.48	0.65	1.30	1.07	1.53	1.82	1.64	2.00	1.00	1.81
FYTD SPI	1.00	1.00	1.00	1.00	1.00	1.11	1.10	1.07	1.06	1.05	1.04	1.03
FYTD CPI	2.81	2.30	1.95	1.30	1.30	1.23	1.27	1.35	1.39	1.44	1.36	1.42
MONTHLY BCWS	\$ 304	\$ 383	\$ 328	\$ 329	\$ 324	\$ 361	\$ 398	\$ 611	\$ 674	\$ 561	\$ 675	\$ 1,051
MONTHLY BCWP	\$ 303	\$ 384	\$ 328	\$ 330	\$ 324	\$ 585	\$ 409	\$ 601	\$ 672	\$ 548	\$ 657	\$ 1,024
MONTHLY ACWP	\$ 108	\$ 191	\$ 222	\$ 512	\$ 249	\$ 547	\$ 268	\$ 330	\$ 409	\$ 274	\$ 657	\$ 565
FYTD BCWS	\$ 304	\$ 687	\$ 1,015	\$ 1,345	\$ 1,669	\$ 2,030	\$ 2,428	\$ 3,039	\$ 3,713	\$ 4,274	\$ 4,949	\$ 6,000
FYTD BCWP	\$ 303	\$ 687	\$ 1,015	\$ 1,345	\$ 1,669	\$ 2,254	\$ 2,663	\$ 3,264	\$ 3,937	\$ 4,485	\$ 5,142	\$ 6,166
FYTD ACWP	\$ 108	\$ 299	\$ 521	\$ 1,033	\$ 1,282	\$ 1,829	\$ 2,096	\$ 2,427	\$ 2,836	\$ 3,110	\$ 3,767	\$ 4,332

COST VARIANCE ANALYSIS: (+\$1.8M)

WBS/PBS

Title

1.11.1/OT02 Transportation and Packaging

Description and Cause: The \$555K (22 percent) favorable cost variance is due to a major change in the Motor Carrier Evaluation Program (MCEP) that resulted in no activities being done. When the revision is complete, MCEP field audits will resume, increasing both travel and labor costs. At the request of the customer, the Automated Transportation Management System/Enterprise Transportation Analysis System (ATMS/ETAS) integration project will not be started until FY 2001.

Impact: None.

Corrective Action: None.

1.11.2/WM07 Pollution Prevention/Waste Minimization

Description and Cause: The \$1,279K (35 percent) favorable cost variance is due to staffing shortfalls in first half of year.

Impact: None

Corrective Action: Under-runs will be utilized to offset funding shortfall in Fiscal Year 2001.

SCHEDULE VARIANCE ANALYSIS: (+\$0.2M)

WBS/PBS

Title

1.11.1/OT02 Transportation and Packaging

Description and Cause: The \$166K (7 percent) favorable schedule variance is due to program efficiencies and is within established thresholds.

Impact: None.

Corrective Action: None.

FUNDS MANAGEMENT
FUNDS VS SPENDING FORECAST (\$000)
FY TO DATE THROUGH SEPTEMBER 2000
(FLUOR HANFORD, INC. ONLY)

	Project Completion *			Post 2006 *			Line Items *		
	Funds	FYSF	Variance	Funds	FYSF	Variance	Funds	FYSF	Variance
Multiple Outcomes									
1.11 & National Programs WM07 OT02, WM07							\$ 6,638	\$ 4,328	\$ 2,310
Line Item									
Total National Programs Operating									
Total National Programs Line Item							\$ 6,638	\$ 4,328	\$ 2,310

* Control Point